

CLAIMS

1. Thrust washer (9) for planet gears (6) of a planetary gearbox, with the thrust washer being adapted to be arranged with a positioning bore hole (9.1) on planet gear pins (10) fixed in a planet carrier (1) so that thrust washers contact both sides of the planet gears (6), which are mounted rotatably on the planet gear pins (10) via a rolling bearing (11), wherein for supplying lubricant the planet gear pin (10) is provided with an axial lubricant through hole (10.1) and a radial lubricant through hole (10.2) branching off from this axial hole and the thrust washer (9) is provided with axial through holes (9.2), the thrust washer is produced from a tempered, cold-rolled strip with a flatness of ≤ 0.03 mm and exhibits a hardness of 370-580 HV.
2. Thrust washer (9) according to claim 1, wherein the thrust washer is produced from an unalloyed specialty steel with the designation C75S.
3. Thrust washer (9) according to claim 1, wherein the thrust washer has a thickness of ≤ 1 mm.
4. Thrust washer (9) according to claim 1, wherein the thrust washer is stamped from a tempered cold-rolled strip and subjected to a subsequent vibrational grinding process.
5. Thrust washer (9) according to claim 1, wherein the thrust washer positioning bore hole (9.1) is provided with additional through holes (9.2), which are uniformly spaced apart from each other in a peripheral direction and which expand outwardly in a radial direction.
6. Thrust washer (9) according to claim 1, wherein the thrust washer has an outer diameter that lies below a root circle (7.1) of teeth (7) of the planet gear (6).

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